PART B - FEE(S) TRANSMITTAL

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AUG 1 2 2004

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or <u>Fax</u>

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

021323

7590

06/04/2004

TESTA, HURWITZ & THIBEAULT, LLP HIGH STREET TOWER 125 HIGH STREET **BOSTON, MA 02110**

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

James E. Fajkowski (Depositor's name) (Signature (Date)

APPLICATION NO.	TION NO. FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/037,661	01/04/2002	Chiping Chen	MIT-132 (5473/145)	6530

TITLE OF INVENTION: VACUUM ELECTRON DEVICE WITH A PHOTONIC BANDGAP STRUCTURE AND METHOD OF USE THEREOF

L	APPLN. TYPE	SMALL ENTITY	ISSUE FI	EE PUBLICATION FEE		TOTAL FEE(S) DUE		DATE D	UE
	nonprovisional	NO	\$1330	0 \$300		\$1630		09/07/2004	
	EXA	MINER	ART UN	IT	CLASS-SUBCLASS]			
	NGUYEN,	PATRICIA T	2817		333-234000	•			
1. C	Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or		torneys or	_{1_} Testa,	Hurwitz	&
7						attorney or	2		Thibeault
I				agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.			3		

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Massachusetts Institute	of Technology Cambridge,	Massachusetts	
Please check the appropriate assignee category	or categories (will not be printed on the patent);	individual X corporation or other private group entity	government
4a. The following fee(s) are enclosed:	4b. Payment of Fee(s)	:	
Issue Fee	☆ A check in the a	mount of the fee(s) is enclosed.	

Publication Fee

Advance Order - # of Copies _

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 20-0531 (enclose an extra copy of this form).

Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

·	
Authorized Signature)	(Date)
Jan takt	Aug. 12 2008
- and Thy W	71-31-7
NOTE TO SELECTION OF THE SECOND	

NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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08/13/2004 AADOFO2 00000017 10037661

01 FC:1501 02 FC:1504 1330.00 OP 300.00 DP

Express Mail Mailing Label No. EV399913622US Application Serial Number 10/037,661 Filing Date January 4, 2002 First Named Inventor Chen Group Art Unit 2817 Nguyen, Patricia T. **Examiner Name FORM** MIT-132 Attorney Docket No. Not applicable Patent No. Issue Date Not applicable ENCLOSURES (check all that apply) Fee Transmittal Form Copy of Notice to File Missing Notice of Appeal to Board of Patent Appeals and Interferences Parts of Application Check Attached Appeal Brief (in triplicate) Copy of Fee Formal Drawing(s) Transmittal Form Amendment/Response Request For Continued Status Inquiry Examination (RCE) Transmittal ☐ Preliminary \boxtimes Return Receipt Postcard After Final Affidavits/declaration(s) Power of Attorney (Revocation of Prior Powers) Certificate of First Class Mailing Letter to Official Draftsperson under 37 C.F.R. 1.8 including Drawings Certificate of Facsimile Terminal Disclaimer [Total Sheets ____] Transmission under 37 C.F.R. 1.8 **Executed Declaration and Power** \boxtimes Additional Enclosure(s) Petition for Extension of (please identify below) Time of Attorney for Utility or Design Patent Application 1. Issue Fee Transmittal Form (1 pg.) Small Entity Statement Information Disclosure Statement Form PTO-1449 Copies of IDS CD(s) for large table or computer Citations program Certified Copy of Priority П Amendment After Allowance Document(s) Request for Certificate of Sequence Listing submission Correction Paper Copy/CD Certificate of Correction (in Computer Readable Copy duplicate) Statement verifying identity of above SIGNATURE BLOCK **CORRESPONDENCE ADDRESS** Respectfully submitted Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower Date: August 12, 2004 125 High Street Reg. No. 54,089 James E. Fajkowski Boston, MA 02110 Tel. No.: (617) 310-8414 Attorney for Applicants

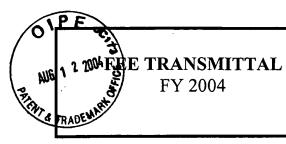
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Express Mail Mailing Label No. EV399913622US

Complete if Known				
Application Serial Number	10/037,661			
Filing Date	January 4, 2002			
First Named Inventor	Chen			
Group Art Unit	2817			
Examiner Name	Patricia T. Nguyen			
Attorney Docket No.	MIT-132			

METHOD OF PAYMENT	FEE CALCULATION (continued)				
1. Payment Enclosed:	3. ADDITIONAL FEES				
Check Money Order Other	Large	Small			
	Entity	Entity			
2. The Commissioner is hereby authorized to cre-		Fee	Fee	Fee Description	Fee Paid
or charge any fee indicated below for this subr	nission	(\$)	(\$)		
to Deposit Account No. 20-0531.					
Required Fees (copy of this sheet enclosed)	sed).	130	65	Surcharge - late filing fee or oath	
Additional fee required under 37 CFR 1	.16 and	50	25	Surcharge - late provisional filing fee	
1.17.				or cover sheet	
Overpayment Credit.		130	130	Non-English specification	
3. Applicant claims small entity status.		2,520	2,520	Request for ex parte reexamination	
FEE CALCULATION		110	55	Extension for reply within first month	
1. FILING FEE		420	210	Extension for reply within second	
				month	
Large Entity		950	475	Extension for reply within third month	
Fee (\$) Fee Description	Fee Paid	1480	740	Extension for reply within fourth	
	-			month	
_		2010	1005	Extension for reply within fifth month	
770 Utility filing fee		330	165	Notice of Appeal	
340 Design filing fee		330	165	Filing a brief in support of an appeal	
160 Provisional filing fee		290	145	Request for oral hearing	
		130	130	Petitions to the Commissioner	
Norther Norther Date	A	180	180	Submission of Information Disclosure Statement	
	Amount	770	385	Filing a submission after final	-
Filed Extra		770	303	rejection (37 CFR 1.129(a))	
Total Claims $-20 = x \$ 18.00 =$		770	385	For each additional invention to be examined (37 CFR 1.129(b))	
Independent		100	100	Certificate of Correction for	
Claims $-3 = x $86.00 =$				applicant's error	
		110	55	Submission of Terminal Disclaimer	
Multiple Dependent Claim(s), if any \$290.00 =		Other fee (Sp	ecify)	Issue Fee	1630.00
		Other fee (Sp	ecify)		
TOTAL:					
SMALL ENTITY DISCOUNT:					
	0				
2. AMENDMENT CLAIM FEES	Fee Paid			CUPTOTAL (2)) 1630.00
Claims Highest No. Present Rate Remaining Previously Extra			SUBTOTAL (3) (\$) 1630.00	
Remaining Previously Extra After Amend. Paid For					
Total - = $x \$ 18.00 =$				SUBTOTAL(1)	0
Indep = $x \$ 86.00 =$				SUBTOTAL (2)	0
First Presentation of Multiple Dep. + \$290.00 =				SUBTOTAL (3)	1630.00
Claim	₅ ,				L
	\$) \$)				
				TOTAL (\$)	1630.00
SUBTOTAL (2)	\$)0			TOTAL (3)	1030.00
CORRESPONDENCE ADDRESS	_		SIGNATURE BLOCK		
Direct all correspondence to:			Respectfully submitted,		
Patent Administrator	Data: 4	12 2004	Jan tehr		
Testa, Hurwitz & Thibeault, LL	Date: August				
High Street Tower-125 High St	Reg. No.: 54		James E. Fajkowski		
Boston, MA 02110	Tel. No.: (61			מזז	
Tel. No.: (617) 248-7000	Fax No.: (61	1/) 248-/10			
Fax No.: (617) 248-7100				High Street Tower-125 High Boston, MA 02110	i Succi
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